

AMENDMENTS TO THE CLAIMS:

1. (Previously Presented) A vehicle heat transfer module, comprising:
 - a conduit for air circulation, said conduit including an input and output for vehicle cabin air and an input and output for fresh air;
 - a first door disposed to selectively open or close said fresh air input and fresh air output;
 - a second door disposed to block a selected amount of cabin air from a heater;
 - a controller configured to control said first and second doors responsive to heating and cooling requirements such that
 - in a first condition
 - said first door opens said fresh air input and output for flow of fresh air in a first path from between fresh air input and fresh air output, and
 - said second door substantially separates said first path from a second path in said conduit between said cabin air input and said cabin air output, and
 - in other conditions
 - said first door closes said fresh air input and said fresh air output,
 - and
 - said second door directs selected amounts of said cabin air from said second path to an alternate path;
 - an evaporator in said second path; and

said heater having vehicle engine coolant circulated therethrough, said heater being in said first path and said alternate path.

2. (Previously Presented) The heat transfer module of claim 1, wherein said evaporator is disposed over said cabin air input.

3. (Previously Presented) The heat transfer module of claim 1, whereby said controller controls said first door to close said fresh air input and fresh air output when controlling said second door to block less than all of said cabin air from said heater.

4. (Previously Presented) The heat transfer module of claim 1, whereby said controller controls said first door to open said fresh air input and fresh air output when controlling said second door to block all of said cabin air from said heater.

5. (Previously Presented) The heat transfer module of claim 1, further comprising a detector detecting said heating and cooling requirements for the vehicle cabin, said detector being operably connected to said controller.

6. (Previously Presented) The heat transfer module of claim 1, further comprising a blower adapted to selectively blow air from said conduit out said cabin air output.

7. (Currently Amended) The heat transfer module of claim 1, further comprising a secondary blower adapted to selectively blow air in said ~~second~~ first path from said fresh air input to said fresh air output.

8. (Previously Presented) A vehicle heat transfer module, comprising:
a conduit for air circulation, said conduit including an input and output for vehicle cabin air and an input and output for fresh air;
an evaporator in said conduit between said cabin air input and cabin air output;
a heater having vehicle engine coolant circulated therethrough, said heater being in a first path between said fresh air input and said fresh air output and in a second path between said cabin air input and said cabin air output;
a first door disposed to selectively open or close said fresh air input and fresh air output;
a second door disposed to block a selected amount of cabin air from said heater;
and
a controller configured to control said first and second doors responsive to heating and cooling requirements,
wherein
said conduit defines a third path between said cabin air input and said cabin air output, wherein said evaporator is in said third path and said third path does not include said first path, and

said second door is controllably moveable between a first position blocking said first path from said third path and a plurality of other positions in which selected amounts of cabin air in said third path is are diverted to said second path.

9. (Currently Amended) The heat transfer module of claim 8, wherein said other ~~positions, each diverting~~ positions of said second door each divert a different selected amount of cabin air in the third path to said second path, and said second door is pivotable between said first position and said second positions.

10-15. (Canceled).